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## <u>ABSTRACT</u>

A power management topology for portable electronic devices that includes a feed-
enabled AC/DC adapter that receives feedback data from a charge controller associated with the
portable device. The feedback data can include battery charging current, battery voltage, or
power requirements of the portable device. Using the feedback data, the external AC/DC adapter
can adjust the DC output to meet the charging requirement of the battery and/or the power
requirements of the portable device.